

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: January 8, 1996
Date Received: January 3, 1996
Project: Metro Self Monitor, PO #M51793
Date Samples Extracted: January 4, 1996
Date Extracts Analyzed: January 5, 1996

**RESULTS FROM THE ANALYSIS OF THE PROCESS WATER SAMPLE
FOR CHROMIUM, COPPER, NICKEL, AND ZINC**

Samples Processed Using Method 3005
Results Reported as mg/L (ppm)

<u>Sample ID</u>	<u>Chromium</u>	<u>Copper</u>	<u>Nickel</u>	<u>Zinc</u>
M51793	0.49	0.81	0.50	0.10
Method Blank	<0.05	<0.05	<0.05	<0.05

FRIEDMAN & BRUYA, INC.**ENVIRONMENTAL CHEMISTS**

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Project: Metro Self Monitor, PO M51793

**QUALITY ASSURANCE RESULTS
FOR CHROMIUM, COPPER, NICKEL, AND ZINC
Samples Processed Using Method 3005**

Laboratory Code: 65466 (Duplicate)

<u>Analyte:</u>	<u>Reporting Units</u>	<u>Sample Result</u>	<u>Duplicate Result</u>	<u>Relative Percent Difference</u>	<u>Acceptance Criteria</u>
Chromium	mg/L (ppm)	0.69	0.70	1	0-20
Copper	mg/L (ppm)	0.71	0.83	16	0-20
Nickel	mg/L (ppm)	0.41	0.43	5	0-20
Zinc	mg/L (ppm)	0.07	0.11	44 a	0-20

Laboratory Code: 65466 (Matrix Spike)

<u>Analyte:</u>	<u>Reporting Units</u>	<u>Spike Level</u>	<u>Sample Result</u>	<u>% Recovery</u>		<u>Acceptance Criteria</u>	<u>Relative Percent Difference</u>
				<u>MS</u>	<u>MSD</u>		
Chromium	mg/L (ppm)	5	0.69	104	104	80-120	0
Copper	mg/L (ppm)	5	0.71	95	96	80-120	1
Nickel	mg/L (ppm)	10	0.41	106	104	80-120	2
Zinc	mg/L (ppm)	5	0.07	112	111	80-120	1

Laboratory Code: Spike Blank



<u>Analyte:</u>	<u>Reporting Units</u>	<u>Spike Level</u>	<u>% Recovery</u>		<u>Acceptance Criteria</u>	<u>Relative Percent Difference</u>
			<u>MS</u>	<u>MSD</u>		
Chromium	mg/L (ppm)	5	107	108	80-120	1
Copper	mg/L (ppm)	5	100	102	80-120	2
Nickel	mg/L (ppm)	10	108	109	80-120	1
Zinc	mg/L (ppm)	5	114	114	80-120	0

a - The analyte was detected at a level less than five times the detection limit. The RPD results may not provide reliable information on the variability of the analysis.

KNS AI
01.02.96
11:08

Send Report To: Alaska Copper Lock Contact GERARD Thompson
 Company Alaska Copper Lock
 Address 628 Hammond St
 City, State, Zip Seattle WA 98134
 Phone # (206) 382-8371 Date 1-3-96

[illegible]

SIGNATURE	PRINT NAME	COMPANY	Date	Time
Relinquished by: 	GERALD Thompson	A.C.W	1/3/96	11:04
Received by: 	Cathy Downing	FBI	1/3/96	11:04
Relinquished by:				
Received by:				

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Andrew John Friedman
James E. Bruya, Ph.D.
(206) 285-8282

3012 16th Avenue West
Seattle, WA 98119-2029
FAX: (206) 283-5044

January 8, 1996

Gerry Thompson, Project Manager
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

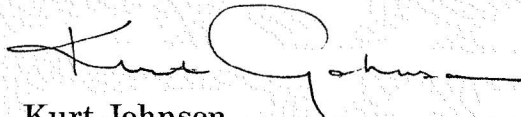
Dear Mr. Thompson:

Enclosed are the results from the testing of material submitted on January 3, 1996 from your Metro Self Monitor, PO #M51793 project.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Kurt Johnson
Chemist

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Enclosures
FAX: 382-7335
ACU0108R.DOC

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January 8, 1996

**INVOICE # 96ACU0108-2
DUPLICATE COPY**

Accounts Payable
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

RE: Project Metro Self Monitor, PO #M51793: Results of testing requested by
Gerry Thompson, Project Manager for material submitted on January 3,
1996.

1 process water sample analyzed for Chromium,
Copper, Nickel, and Zinc @ \$65 per sample

\$ 65.00

Amount Due

\$ 65.00